

Title (en)
Electrochemical cell and process for producing the same

Title (de)
Elektrochemische Zelle und Verfahren zu ihrer Herstellung

Title (fr)
Cellule électrochimique et son procédé de fabrication

Publication
EP 0766326 B1 20000412 (DE)

Application
EP 96116898 A 19931203

Priority
• DE 4241276 A 19921208
• EP 94900760 A 19931203

Abstract (en)
[origin: EP0766326A1] An electrode for electrochemical cells has a metallic substrate combined with an active material which is a complex metallic oxide of the form $A_xM_yO_z$, where A is an alkali metal and M is a transition metal and which is the same metal as that of the substrate. This active material is formed by annealing an inorganic compound of the alkali metal to the substrate in the presence of oxygen, at around 800 degrees centigrade. The transition metal has an atomic number between 22 and 28, and cobalt is suggested. The substrate may be an alloy of this metal, provided the metal content is at least 90%. The metallic oxide will be a carbonate, nitrate or hydroxide.

IPC 1-7
H01M 2/16; **H01M 4/02**

IPC 8 full level
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CPC (source: EP US)
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Cited by
CN100380711C; DE19838800C1; CN104183295A; US6855455B1; WO0074156A1; WO2004021475A1; US7811700B2; US7858222B2

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